

III. Listing of the Claims:

This listing of the claims replaces all prior versions and listings of the claims in this application:

1-5. (Cancelled)

6. (Currently amended) A network-enabled home appliance that is remotely controllable from a terminal connected to an Internet via a server located on the Internet, comprising:

a control section ~~for receiving~~ configured to receive a packet from said server located on the Internet, the packet including a predetermined command, and ~~controlling to control~~ the network-enabled home appliance based on the command;

a server address storage section for storing a global address of a said server located on the Internet;

a tunneling establishing section for establishing a tunneling connection between the network-enabled home appliance and the server based on the global address of the server; and

a packet processing device for capsulating/decapsulating packets, the packets communicated with the server through the tunneling connection, and routing the packets to the control section or the server.

7. (Original) The network-enabled home appliance of Claim 6, further comprising:

a broker server address storage section for storing an address of a tunneling broker server located on the Internet; and

a server address obtaining section for accessing the tunneling broker server based on the address of the tunneling broker server, and receiving the global address of the server from the tunneling broker server.

8. (Currently amended) A server used on an Internet connection system which comprises a

client device, a relay device installed in said client device, and the server, the server being connected to Internet and also to the client device through the Internet and the relay device ~~the relay device and the Internet~~, comprising:

a tunneling establishing section for establishing a tunneling connection between ~~to~~ the relay device and the server;

a client device management device for managing the client device in association with the relay device or the tunneling connection; ~~and~~

a routing device for routing a connection, the connection from the Internet to the client device, through the tunneling connection to the relay device which is connected to the client device, based on management at the client device management device;

a model identification section for determining if the client device is of a predetermined model or if the relay device is of a predetermined model; and

a command conversion section for converting a command to be sent to the client device to a command in a predetermined format for controlling the client device, if the model identification section determines that the client device or the relay device is of the predetermined model.

9–10. (Cancelled)

11. (Currently amended) The server of Claim 89, further comprising:

a communication session disconnection section for disconnecting communication sessions or limiting packet transmissions if the model identification section determines that the client device or the relay device is not of the predetermined model.

12. (Currently amended) A server used on an Internet connection system which comprises a client device, a relay device installed in said client device, and the server, the server being

connected to Internet and also to the client device through the Internet and the relay device,
comprising:

_____ a tunneling establishing section for establishing a tunneling connection between ~~to~~ the
relay device and the server;

_____ a client device management device for managing the client device in association with the
relay device or the tunneling connection; ~~and~~

_____ a routing device for routing a connection, the connection from the Internet to the client
device, through the tunneling connection to the relay device which is connected to the client
device, based on management at the client device management device;

~~The server of Claim 8, wherein~~

wherein the client device includes peripheral equipment, which is communicable with the
relay device but cannot independently connect to the Internet,

said server further comprising: a command conversion section for converting a command
to be sent to said peripheral equipment to a command in a predetermined format for controlling
said peripheral equipment.

13. (Currently amended) A server used on an Internet connection system which comprises a
client device, a relay device installed in said client device, and the server, the server being
connected to Internet and also to the client device through the relay device and the Internet,
comprising:

_____ a tunneling establishing section for establishing a tunneling connection between ~~to~~ the
relay device and the server;

_____ a client device management device for managing the client device in association with the
relay device or the tunneling connection;

_____ a routing device for routing a connection, the connection from the Internet to the client

device, through the tunneling connection to the relay device which is connected to the client device, based on management at the client device management device; and

~~The server of Claim 8, further comprising:~~

a network type identification section for determining if a first network environment connected to the client device and/or the relay device is of a predetermined type.

14. (Currently amended) The server of Claim 13, further comprising:

a communication session disconnection section for disconnecting communication sessions or limiting packet transmissions if a first private network environment connected to the client device or the relay device is determined not of the predetermined type.

15. (Currently amended) A server used on an Internet connection system which comprises a client device, a relay device installed in said client device, and the server, the server being connected to Internet and also to the client device through the Internet and the relay device, comprising:

a tunneling establishing section for establishing a tunneling connection between to the relay device and the server;

a client device management device for managing the client device in association with the relay device or the tunneling connection;

a routing device for routing a connection, the connection from the Internet to the client device, through the tunneling connection to the relay device which is connected to the client device, based on management at the client device management device; and

~~The server of Claim 8, further comprising:~~

a state information obtaining section for obtaining at least one of an operation state, a usage state and location information of the client device and/or the relay device.